



TERRA FIRMA CONSULTING, INC.

March 3, 2008

Mr. Jack Hayes
DNREC
89 Kings Highway
Dover, DE 19901

Re: Letter of Intent to Conduct a Site Investigation Report for a Large On-Site Wastewater Treatment and Disposal System and a Site Selection and Evaluation Report for Spray Irrigation for a Planned Regional Wastewater Disposal Facility; Sussex County Tax Map 2-34-7.00 Parcels 127.00 and 130.00 and Tax Map 2-34-11.00 Parcels 48.00 and 50.00

Dear Mr. Hayes:

This letter is to serve as Terra Firma Consulting Inc.'s (TFCI) Notice of Intent to begin detailed investigations on the above referenced parcels relative to completion of a Site Investigation Report for a Large On-Site Wastewater Treatment and Disposal System in two (2) areas proposed for Rapid Infiltration Basins (RIBS). The larger of the two areas is approximately fifteen (15) acres in size while the smaller area is approximately five (5) acres in size. Preliminary design calculations provided by CABE Associates, Inc. indicate the RIB areas combined could handle up to 1,985,826 gallons per day. This represents the maximum potential capacity of the RIB areas, realizing there are numerous factors that could come to light during the detailed investigations that would effectively reduce these numbers. All work shall be conducted in accordance with Section 5.12000 of the Regulations Governing the Design, Installation and Operation of On-Site Wastewater Treatment and Disposal Systems, amended March 11, 2002.

TFCI will concurrently be preparing a Site Selection and Evaluation Report for the areas of the project site proposed for spray irrigation. It is estimated that approximately 170 acres of land area will be used for spray irrigation. Preliminary design calculations provided by CABE Associates, Inc. indicates the spray irrigation could result in the disposal of up to 1,632,911 gallons per day, subject to the same considerations as expressed above.

The total project site, then, has an estimated maximum capacity of 3.62 MGD. Tom Dwyer at EGI has performed significant on-site preliminary testing and a mounding analysis that determined negligible mounding for approximately 1.124 MGD. The detailed analysis has not yet been completed to maximize the disposal potential.

This project is being undertaken for Tidewater Environmental Services, Inc., under the direct management of Mr. Bruce Patrick. The design engineers are CABE Associates, Inc. with Mr. Steve Lewandowski serving as the project manager and lead engineer for the project. CABE Associates, Inc. has completed some conceptual engineering designs based on the soils and hydro-geological work completed to date. Mr. Tom Dwyer of Eastern Geosciences, Inc. is the Professional Geologist of record. He and his team have already undertaken a significant amount of in-situ testing. I would encourage the DNREC assigned Hydrologist to work directly with Mr. Dwyer. TFCI, under the direction of myself, will be completing the detailed soils investigations for both the RIBS and the spray irrigation facility. To date, a detailed soils reconnaissance has been completed. That work served as the basis for the hydro-

P.O. Box 938 • Ocean View, DE 19970
office: (302) 539-1501 • fax: (302) 539-1315 • cell: (302) 236-2389

e-mail: lisa@terrafirmaconsultinginc.com

geological investigations and the selection of the two (2) potential RIB areas. Charles Murphy and Associates, Inc. performed the site surveying and grid stakeout for the detailed investigations. The potential RIB areas have been staked, as required by regulation in a 75 foot by 75 foot grid pattern.

The detailed soils investigations are scheduled to begin the week of March 10th, 2008. I previously provided you with the dates scheduled for infiltration testing and test pit excavations. If any of those dates change, I will notify you of the change. I do not have the work schedule for EGI but I encourage you to contact Mr. Dwyer directly at 856-719-8500 to obtain a proposed schedule of work to be completed.

Enclosed for your information are a tax map, a general location map, and a plan provided by EGI depicting the locations of the monitoring and observation wells currently being read weekly as well as the additional geoprobe boring locations. Also included are some representative cross-section provided by Mr. Dwyer and used to delineate the potential RIB areas. Finally, a zoning form indicating the current owner of the properties is Wandendale Farms. Our contact for the owners is Mr. Russell Marsh.

If you have any questions regarding this information or need any additional information, please contact me at 302-539-1501 (Office) or 302-236-2389 (Cellular).

Sincerely,

For Terra Firma Consulting, Inc.,



Lisa S. Wood, CPSS/SC
Soil Scientist